CLIPPEDIMAGE= EP000087521A2

PUB-NO: EP000087521A2

DOCUMENT-IDENTIFIER: EP 87521 A2

TITLE: Angle-measuring device.

PUBN-DATE: September 7, 1983

INVENTOR-INFORMATION:

**NAME** 

**COUNTRY** 

ERNST, ALFONS DIPL-ING

N/A

**ASSIGNEE-INFORMATION:** 

NAME

COUNTRY

HEIDENHAIN GMBH DR JOHANNES

DE

APPL-NO: EP82111996

APPL-DATE: December 24, 1982

PRIORITY-DATA: DE03206875A (February 26, 1982)

INT-CL\_(IPC): G01D005/02

EUR-CL (EPC): G01D005/02; B23Q001/36

US-CL-CURRENT: 33/1N

## ABSTRACT:

1. Angle measuring device for measuring the angular position between a stationary object and an object rotatable relative to this stationary object, in which the graduation of a graduated disc (3) fixed on a rotatable shaft (2) in a housing (10), which disc is connected to the rotatable object, is sensed by at least one sensor unit (4), which is connected to the stationary object, characterized in that the rotatable shaft (2; 22) together with the graduated disc (3; 23) is rigidly connected to the rotatable object and the housing (10; 30) is rigidly connected to the stationary object and in that the sensor unit (4; 24) is mounted on the rotatable shaft (2; 22) and/or on the graduated

06/10/2002, EAST Version: 1.03.0002

disc (3; 23) rotatable relative thereto and is connected to the housing (10; 30) through a rotation resistant coupling (13; 33), which prevents a rotational movement of the sensor unit (4; 24) about the axis of the rotatable shaft (2; 22).